

Title (en)  
SYSTEM MANAGING GAS FLOW BETWEEN CHAMBERS OF AN EXTREME ULTRAVIOLET (EUV) PHOTOLITHOGRAPHY APPARATUS

Title (de)  
SYSTEM ZUR REGELUNG EINES GASSTROMS ZWISCHEN KAMMERN EINES EUV-PHOTOLITHOGRAFIEGERÄTS

Title (fr)  
SYSTÈME DE RÉGULATION D'UN FLUX DE GAZ ENTRE DES CHAMBRES D'UN APPAREIL POUR LA PHOTOLITHOGRAPHIE PAR ULTRAVIOLET EXTRÊME (EUV)

Publication  
**EP 2181449 B1 20130522 (EN)**

Application  
**EP 08795348 A 20080815**

Priority  

- US 2008009755 W 20080815
- US 89764407 A 20070831
- US 207307 A 20071214

Abstract (en)  
[origin: WO2009032055A1] A gas flow management system may comprise a first and second enclosing walls at least partially surrounding first and second respective spaces; a system generating plasma in the first space, the plasma emitting extreme ultraviolet light; an elongated body restricting flow from the first space to the second space, the body at least partially surrounding a passageway and having a first open end allowing EUV light to enter the passageway from the first space and a second open end allowing EUV light to exit the passageway into the second space, the body shaped to establish a location having a reduced cross-sectional area relative to the first and second ends; and a flow of gas exiting an aperture, the aperture positioned to introduce gas into the passageway at a position between the first end of the body and the location having a reduced cross-sectional area.

IPC 8 full level  
**G03F 7/20** (2006.01)

CPC (source: EP)  
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